Kazumichi Matsumiya

List of Publications by Year
in descending order

59	621	623188	642321
papers	citations	14 h-index	23 g-index

71	71	71	588
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Eye-Head Coordination for Visual Cognitive Processing. PLoS ONE, 2015, 10, e0121035.	1.1	75
2	Time Courses of Attentional Modulation in Neural Amplification and Synchronization Measured with Steady-state Visual-evoked Potentials. Journal of Cognitive Neuroscience, 2012, 24, 1779-1793.	1.1	61
3	Size-invariant but viewpoint-dependent representation of faces. Vision Research, 2006, 46, 1901-1910.	0.7	44
4	Gabor Filter Based on Stochastic Computation. IEEE Signal Processing Letters, 2015, 22, 1224-1228.	2.1	42
5	Apparent size of an object remains uncompressed during presaccadic compression of visual space. Vision Research, 2001, 41, 3039-3050.	0.7	37
6	World-centered perception of 3D object motion during visually guided self-motion. Journal of Vision, 2009, 9, 15-15.	0.1	32
7	Saliency-based gaze prediction based on head direction. Vision Research, 2015, 117, 59-66.	0.7	26
8	Visual attention spreads broadly but selects information locally. Scientific Reports, 2016, 6, 35513.	1.6	20
9	Motion mechanisms with different spatiotemporal characteristics identified by an MAE techniquewith superimposed gratings. Journal of Vision, 2009, 9, 30-30.	0.1	17
10	Separate multisensory integration processes for ownership and localization of body parts. Scientific Reports, 2019, 9, 652.	1.6	17
11	Implicit Learning of Viewpoint-Independent Spatial Layouts. Frontiers in Psychology, 2012, 3, 207.	1.1	16
12	Awareness of voluntary action, rather than body ownership, improves motor control. Scientific Reports, 2021, 11, 418.	1.6	16
13	Seeing a Haptically Explored Face. Psychological Science, 2013, 24, 2088-2098.	1.8	14
14	Moving Oneâ€™s Own Body Part Induces a Motion Aftereffect Anchored to the Body Part. Current Biology, 2014, 24, 165-169.	1.8	14
15	[Paper] Eye-Position Distribution Depending on Head Orientation when Observing Movies on Ultrahigh-Definition Television. ITE Transactions on Media Technology and Applications, 2015, 3, 149-154.	0.3	14
16	The role of presaccadic compression of visual space in spatial remapping across saccadic eye movements. Vision Research, 2003, 43, 1969-1981.	0.7	13
17	An Accuracy/Energy-Flexible Configurable Gabor-Filter Chip Based on Stochastic Computation With Dynamic Voltageâ€“Frequencyâ€“Length Scaling. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2018, 8, 444-453.	2.7	12
18	Contrast dependence of saccadic blanking and landmark effects. Vision Research, 2016, 129, 1-12.	0.7	11

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19	Low-level motion analysis of color and luminance for perception of 2D and 3D motion. Journal of Vision, 2012, 12, 33-33.	0.1	10
20	Temporal Dynamics of Visual Attention Measured with Event-Related Potentials. PLoS ONE, 2013, 8, e70922.	1.1	9
21	Spatial representations of the viewerâ€™s surroundings. Scientific Reports, 2018, 8, 7171.	1.6	9
22	Distortion of Visual Space During Pursuit Eye Movements. Optical Review, 2000, 7, 241-248.	1.2	7
23	Haptic Face Aftereffect. I-Perception, 2012, 3, 97-100.	0.8	7
24	Rotation-independent representations for haptic movements. Scientific Reports, 2013, 3, 2595.	1.6	7
25	Smooth pursuit eye movements and motion perception share motion signals in slow and fast motion mechanisms. Journal of Vision, 2015, 15, 12.	0.1	7
26	Displacement detection is suppressed by the post-saccadic stimulus. Scientific Reports, 2020, 10, 9273.	1.6	7
27	Vertical-size disparities are temporally integrated for slant perception. Vision Research, 2006, 46, 2749-2756.	0.7	6
28	Perceived Depth in the â€˜Sieve Effectâ€™ and Exclusive Binocular Rivalry. Perception, 2007, 36, 990-1002.	0.5	6
29	Control of subjective depth on 3-D displays by a quantified monocular depth cue. Journal of the Society for Information Display, 2011, 19, 29.	0.8	6
30	Decoding Color Responses in Human Visual Cortex. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2011, E94-A, 473-479.	0.2	6
31	Multiple representations of the body schema for the same body part. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	6
32	Isolation of two binocular mechanisms for motion in depth: A model and psychophysics¹. Japanese Psychological Research, 2012, 54, 16-26.	0.4	5
33	A Generalized Stochastic Implementation of the Disparity Energy Model for Depth Perception. Journal of Signal Processing Systems, 2018, 90, 709-725.	1.4	5
34	Estimating time to contact during pursuit eye movements: Comparison between geometric model prediction and human performance. Optical Review, 2008, 15, 210-217.	1.2	4
35	Accuracy and precision of visual and auditory stimulus presentation in virtual reality in Python 2 and 3 environments for human behavior research. Behavior Research Methods, 2022, 54, 729-751.	2.3	4
36	Retinotopy of Facial Expression Adaptation. Multisensory Research, 2014, 27, 127-137.	0.6	3

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37	Stochastic implementation of the disparity energy model for depth perception. , 2015, , .		3
38	A motion-in-depth model based on inter-ocular velocity to estimate direction in depth. Vision Research, 2020, 172, 11-26.	0.7	3
39	Influence of Exclusive Binocular Rivalry on Perceived Depth in the â€˜Sieve Effectâ€™. Optical Review, 2006, 13, 39-45.	1.2	2
40	Considerations of Self-Motion in Motion Saliency. , 2013, , .		2
41	Chromatic induction from surrounding stimuli under perceptual suppression. Visual Neuroscience, 2014, 31, 387-400.	0.5	2
42	Frequency-flexible stochastic Gabor filter. , 2015, , .		2
43	Accuracy/energy-flexible stochastic configurable 2D Gabor filter with instant-on capability. , 2017, , .		2
44	Application of stochastic computing in brainware. Nonlinear Theory and Its Applications IEICE, 2018, 9, 406-422.	0.4	2
45	Judgment in crossing a road between objects coming in the opposite lane. Optical Review, 2008, 15, 133-135.	1.2	1
46	Extracting the orientation of rotating objects without object identification: Object orientation induction. Journal of Vision, 2018, 18, 17.	0.1	1
47	Contribution of the slow motion mechanism to global motion revealed by an MAE technique. Scientific Reports, 2021, 11, 3995.	1.6	1
48	Active Movements Generate Rotation-Independent Representations for Haptic Movements. Interdisciplinary Information Sciences, 2015, 21, 115-123.	0.2	1
49	Effects of L-shaped Flash News Ticker on Watching Video. Transactions of Japan Society of Kansei Engineering, 2016, 15, 687-691.	0.1	1
50	Energy-efficient Brainware LSI Based on Stochastic Computation. Ieice Ess Fundamentals Review, 2017, 11, 28-39.	0.1	1
51	Perceptual binding of color and visual motion signals in human visual cortex studied by multi-voxel-pattern-classification analysis for BOLD fMRI signals. Neuroscience Research, 2011, 71, e49.	1.0	0
52	61.1: Control of Subjective Depth in Stereoscopic Motion Pictures by Quantified Aerial Perspective. Digest of Technical Papers SID International Symposium, 2011, 42, 908-911.	0.1	0
53	60.1: Control of Subjective Depth by Quantified Monocular Depth Cues of Contrast and Spatial Frequencies. Digest of Technical Papers SID International Symposium, 2012, 43, 812-815.	0.1	0
54	Face aftereffect in haptic perception. Seeing and Perceiving, 2012, 25, 46-47.	0.4	0

#	Article	IF	Citations
55	Eyeâ€“hand coordination reveals the role of body awareness in motor control. Journal of Vision, 2021, 21, 2279.	0.1	0
56	Title is missing!. Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers, 2006, 60, 1018-1023.	0.0	0
57	INFLUENCE OF AUDITORY INFORMATION ON READING SPEED AND EYE MOVEMENT CONTROL IN READING. KANSEI Engineering International, 2009, 8, 221-227.	0.2	0
58	Contextual cuing for targets in the rear. Journal of Vision, 2015, 15, 64.	0.1	0
59	Visual attention around invisible hands. Journal of Vision, 2016, 16, 1023.	0.1	0